FIG.1

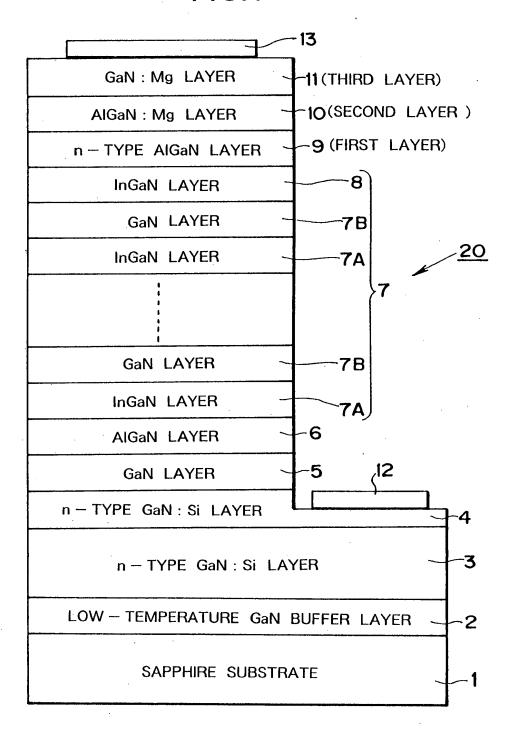


FIG.2

·	EIRST I AVER	SECOND	t i	LAYER GROWTH CONDITIONS	SITIONS	SECOND LAYER CHARACTERISTICS	LAYER ERISTICS	EMISSION CHARACTERISTIC
•	THICKNESS Å	GROWTH TEMPERATURE °C	THICKNESS Å	Al	Mg FLOW RATE sccm	CONDUCTIVITY	CARRIER DENSITY cm ⁻³	INTENSITY MCG INTENSITY
EXAMPLE 1	110	0001	250	0.05	009	α	6 x 10 18	1505
EXAMPLE 2	110	1000	750	0.05	009	۵	6 x 10 ¹⁸	405
EXAMPLE 3	110	0001	250	0.05	300	۵	3 x 10 ¹⁸	1459
EXAMPLE 4	110	1000	250	0.05	100	u	1 × 10 ¹⁷	280
COMPARATIVE EXAMPLE 1	110	1000	750	0.05	100	c	1 x 10 ¹⁷	75.
EXAMPLE 5	110	006	250	0.05	009	Ω.	5×10 ¹⁶	640
EXAMPLE 6	110	008	250	0.05	009	C	5×10 ¹⁵	334
COMPARATIVE EXAMPLE 2	110	006	750	0.05	009	۵	5 x 10 ¹⁶	172
COMPARATIVE EXAMPLE 3	110	800	750	0.05	009	c	5×10 ¹⁵	06
EXAMPLE 7	110	800	250	0.15	009	C	5 x 10 ¹⁵	499
EXAMPLE 8	55	800	250	0.15	009	C	5 x 10 ¹⁵	707

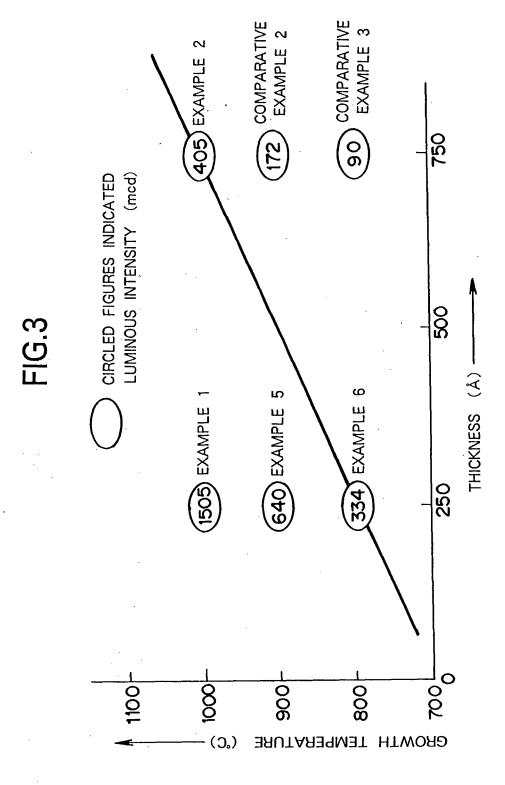


FIG.4

		SECOND	i	LAYER GROWTH CONDITIONS	SNOILIONS	SECOND	SECOND LAYER	EMISSION
	FIRST LAYER) .	CHARACT	CHARACTERISTICS	CHARACTERISTIC
,	THICKNESS	GROWTH TEMPERATURE	THICKNESS	Al	Mg FLOW RATE	CONDUCTIVITY	CARRIER DENSITY	LUMINOUS
		ပ္			Sccm		cm -3	mcd
EXAMPLE 9	180	1050	250	0.05	009	Ο.	2×10 ¹⁸	1526
EXAMPLE 10	180	1040	250	0.05	009	Ω.	2×10 ¹⁸	0601
EXAMPLE 11	180	1040	250	0.025	009	۵	3×10 ¹⁸	923
EXAMPLE 12	180	1000	250	0.05	009	۵	6 x 10 ¹⁸	1353
EXAMPLE 13	180	800	250	0.05	009	C	5× 10 ¹⁵	994
EXAMPLE 14	180	800	250	0.05	800	נ	2×10 ¹⁷	854
EXAMPLE 15	180	800	250	0.1	009	C	5×10 ¹⁵	1289
EXAMPLE 16	180	800	250	0.15	009	ב	5×10 ¹⁵	1051